







## Focus Occupation: Microbiologists (19-1022)

Focus occupation: Microbiologists	
Employment and Growth	40/ 8.1%
Ave. Monthly Wage	\$5,458
Education/Experience	Bachelor's degree

Advance FROM Focus Occupation				
Occupation	Rung	Employment/ Growth	Education/Experience	Similarity
Biochemists and Biophysicists (19-1021)	1	n/a	PHD	100
Medical Scientists, Except Epidemiologists (19-1042)	1	63/ 37.0%	PHD	100

Transfer TO and FROM Focus Occupation				
Occupation	Rung	Employment/ Growth	Education/Experience	Similarity
Biological Scientists, All Other  (19-1029)	0	81/ 12.5%	PHD	98

Advance TO Focus Occupation				
Occupation	Rung	Employment/ Growth	Education/Experience	Similarity
Chemists  (19-2031)	-1	91/ 7.1%	BA	93
Environmental Scientists and Specialists, Including Health  (19-2041)	-1	961/ 6.9%	BA	82
Food Scientists and Technologists (19-1012)	-2	n/a	BA	88
Soil and Plant Scientists  (19-1013)	-2	38/ 2.7%	BA	100
Zoologists and Wildlife Biologists  (19-1023)	-3	965/ 3.0%	BA	100
Forensic Science Technicians (19-4092)	-4	116/ 3.6%	BA	75
Medical and Clinical Laboratory Technologists (29-2011)	-4	351/ 25.4%	BA	93
Biological Technicians  (19-4021)	-5	539/ 6.3%	BA	100
Medical and Clinical Laboratory Technicians (29-2012)	-6	444/ 25.8%	AA	70

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**Important note:** A worker does not necessarily have to traverse every rung to advance to or from the focus occupation. Occupations above and below the focus occupation are directly related to the focus occupation, but they are not necessarily directly related to each other. For example, actors and athletes are both related to agents of artists, performers, and athletes, but actors and athletes are not directly related to each other.

Analysis and development of the career lattice is by the Alaska Department of Labor and Workforce Development, Research and Analysis Section.

Data sources used for research and analysis: O\*NET (Occupation Information Network), Alaska Occupational Data Base (ODB), Standard Occupational Classification Manual, North American Industry Classification System manual, Bureau of Labor Statistics Occupational Employer Survey (OES) wage estimates.